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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.an RHIC Zone 5z1 Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.

4.56		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Revision No. 00

Approved: _____
Collider-Accelerator Department Chairman Date

P. Ingrassia, W. MacKay

RHIC Zone 5z1 Sweep Checklist

C-A-OPM-ATT 4.56an (Y)

Revision 00
September 14, 1999

Team leader (TL)_____ Sweeper#2 (S2)_____

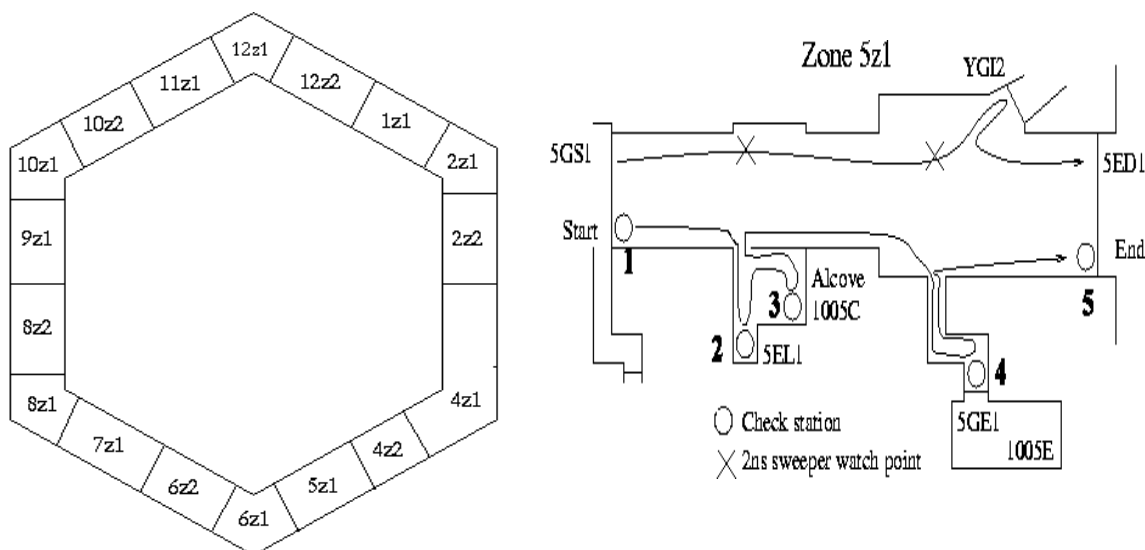
Time: _____ Date: _____

Warning:

IF any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the sweep team. **IF** the workers crash out of the enclosure **AND** do not exit with the sweep team, **THEN** the sweep shall be re-started.

Prerequisites

- Two persons to perform the sweep,
- At least one sweeper not restricted from working at heights over five feet.
- RHIC Zone 5z1 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- **STRONGLY RECOMMENDED: Y line sweep is good and YGI1 and YGI2 are reset**
- All Doors closed THEN 5z1 set to Controlled Access
- Keys: Sweep Reset key S/R015, Controlled Access key CA014



Note:

References to positions in the tunnel are made using the RHIC magnets. The identity of the local magnet can be determined by looking up at the “lower” cable tray and reading the magnet name on a blue (B) or yellow (Y) label. For example, the convention used is: I05Q17 (Inside, Q17) or O-05Q17 (Outside, Q17). References are for inside locations and are visible only by the Team Leader

check

- ____1. Sweep team goes to gate 5GE1 TL requests simultaneous release from MCR.
- ____2. TL opens 5GE1 gate by turning the CA014 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for 5GE1.

CONTINUED ON REVERSE SIDE

- ___3. Sweep Team walks to 5GS1 doors. (TL inside and Sweeper 2 outside).
- ___4 TL resets 5GS1 gate by turning the S/R015 key in the RESET keyswitch at 5GS1-I
- ___5 TL observes RESET lamp light
- ___6 TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch on 5GS1-I (5CS1).
- ___7. TL observes AREA SECURED lamp blink once.
- ___8. Sweep team sweeps Clockwise (CW) around RHIC.
- ___9. TL stops to check the Exhaust Fan Vent Barrier at I05Q17.
- ___10. Sweep team sweeps Clockwise (CW) around RHIC.
- ___11 S2 stands static watch at the electrical services alcove opposite I05Q13.
- ___12. TL enters the alcove and goes to the ladder at 5EL1.
- ___13. IF there is no mirror to verify no one is on the landing at the top of the ladder, THEN TL must climb the ladder to verify no one is on the landing and to check that 5EL1 is closed.
- ___14. TL resets gate 5EL1 using the S/R015 key in the Reset keyswitch at the bottom of the ladder.
- ___15. IF 5EL1 will not reset THEN TL climbs the ladder, closes 5EL1, then repeats step 14.
- ___16. TL observes RESET lamp lights after RESET.
- ___17. TL sets second check station (5CS2) by turning S/R015 key in the SWEEP keyswitch.
- ___18. TL observes AREA SECURED lamp blink once.
- ___19 TL goes to the far corner of the alcove to 5CS3.
- ___20. TL sets third check station (5CS3) by turning S/R015 key in the SWEEP keyswitch.
- ___21. TL observes AREA SECURED lamp blink once.
- ___22 TL checks inside EVERY rack and then sweeps out the alcove and joins S2.
- ___23 TL observes fan vent barrier and ceiling barricade are in place above S2's head.
- ___24. Sweep team sweeps Clockwise (CW) around RHIC.
- ___25 Sweep team checks padlocks on inner and outer Exhaust Fan Access Doors (5EF4/5) at I-05Q9
- ___26 S2 stands static watch at I05D8/Q9
- ___27 TL walks down labyrinth to 5GE1.
- ___28. TL sets fourth check station (5CS4) by turning S/R015 key in the SWEEP keyswitch.
- ___29. TL observes AREA SECURED lamp blink once.
- ___30 TL sweeps up the labyrinth and joins S2.
- ___31. Sweep team sweeps Clockwise (CW) around RHIC.
- ___32 TL confirms overhead barricade is in place at I-05D5
- ___33. S2 verifies YGI2 is reset
- ___34. S2 crosses under the Y line
- ___35. Sweep team sweeps Clockwise (CW) around RHIC.
- ___36. Sweep team checks exhaust fan vent barriers at 5AV2 and 5AV3
- ___37. Sweep team sweeps to the vapor barrier at 5ED1.
- ___38 TL TOSSES SWEEP KEYS to S2.
- ___39. S2 resets 5ED1 gate by turning S/R015 key in the RESET keyswitch
- ___40. S2 observes Reset Lamp light amber.
- ___41. S2 ends sweep by turning S/R015 key in the SWEEP keyswitch
- ___42. S2 observes AREA SECURED lamp light amber.
- ___43. Sweep Team walks to gate 5GE1 to exit.
- ___44. TL contacts MCR for simultaneous release for gate 5GE1.
- ___45. Sweep Team sweeps out 5GE1 after getting the simultaneous release.
- ___46 5GE1 is a Remote Controlled Access gate and is reset in MCR
- ___47 TL contacts MCR and confirms that gates are reset and 5z1 zone indicates sweep is good.

Note:

If the AREA SECURED, lamp is not lit THEN contact MCR to verify sweeps is good and gate(s) are reset.

- ___48 After returning keys to the keytree, TL resets 5GE1 using the MCR PanelView
- ___49. After returning to MCR and verifying that all information is filled out completely,
TL files the checklist in FY_xx Sweep Log binder.